



## **Fluoroelastomer latex**

**Description of Technology:** This invention relates to fluoroelastomer latices capable of producing films having reduced water sensitivity and to a process for preparation of such latices.

### **Patent Listing:**

1. **US Patent No. 6,169,139**, Issued May 16, 2000, "Fluoroelastomer latex"  
<http://patft.uspto.gov/netacgi/nph-Parser?Sect2=PTO1&Sect2=HITOFF&p=1&u=%2Fnetacgi%2FPTO%2Fsearch-bool.html&r=1&f=G&l=50&d=PALL&RefSrch=yes&Query=PN%2F6169139>

**Market Potential:** Elastomeric fluoropolymers (i.e. fluoroelastomers) exhibit excellent resistance to the effects of heat, weather, oil, solvents and chemicals. As a consequence, compositions that contain fluoroelastomers as major components have found utility as protective coatings for substrates such as fabrics, fibers, metals, and plastics. In some applications, the fluoroelastomer coating compositions are applied to substrates in the form of thin surface veneers, while in other applications the substrates are impregnated to a significant depth.

The present invention is directed to a process for preparation of a fluoroelastomer latex which is useful for forming films having improved water resistance and adhesion to a coated substrate.

### **Benefits:**

- Improved water resistance adhesion to a coated substrate

### **Applications:**

- Protective coatings for substrates such as fabrics, fibers, metals, and plastics

### **Contact: Ken Anderson**

*Director, Entrepreneurial & Small Business Support, Delaware Economic Development Office (DEDO)*  
Carvel State Building, 820 French Street, Wilmington, DE, 19801  
Phone: (302) 577-8496, Fax: (302) 577-8499, Email: [Kenneth.R.Anderson@state.de.us](mailto:Kenneth.R.Anderson@state.de.us)